Real-Time 5-min Energy LMP Report

Help File

Purpose of the Real-Time 5-min Energy LMP Report

The Real-Time 5-min Energy LMP Report contains the 5-minute locational marginal price (LMP) for energy and its components for all generator and load pricing locations after the successful execution of the Real-Time calculation engine run.

Confidentiality Classification

Public

Frequency

Every 5 minutes

Granularity

Every 5-minutes for every pricing location

Description of the Real-Time 5-min Energy LMP Report Fields

Report Field Title	Definition of Report Field Title
Created at/For	This is the date and time that the report was created at and the date the report was created for. It will be displayed as yyyy mm dd, hh(24):mm:ss e.g. \\CREATED AT 2023/09/18 15:10:SS FOR 2023/09/19
Delivery Hour	This field indicates the delivery hour and it is displayed as hours 1-24 in the day.
Interval	This field indicates the interval number and it is denoted from intervals 1-12 of the hour.

Report Field Title	Definition of Report Field Title
Pricing Location	This field indicates the locations that define where prices will be calculated by the Day-Ahead Market (DAM), Pre-Dispatch (PD) and Real-Time (RT) calculation engines. The pricing location will be the station or delivery point for which the LMP applies.
LMP	This field lists out the Locational Marginal Price (LMP) for the Pricing Location. The Locational Marginal Price (LMP) is calculated as: LMP (Capped) = Energy Reference Price at Reference Location + Energy Loss Price (Capped) + Energy Congestion Price (Capped)
Energy Loss Price	This field indicates the Energy Loss Price. The Energy Loss Price (Capped) reflects the cost of transmission losses at a given location relative to the Reference Location. It is calculated as: Energy Loss Price (Capped) = Marginal Loss Factor * Energy Reference Price. The Marginal Loss Factor is derived from the transmission losses incurred from meeting one additional MW of load at the location with one additional MW of supply from the Reference Location.
Energy Congestion Price	This field indicates the Energy Congestion Price. The Energy Congestion Price (Capped) is the change in incremental cost at any location on the grid, due to transmission congestion between that location and the Reference Location.

Contact Information

For additional information, please e-mail IESO Customer Relations at customer.relations@ieso.ca.

A Help File has been prepared for this report to provide the reader a brief overview on the report. The Help File will also outline what the purpose of the report is, the publication frequency of the report, how the report can be accessed, and a description of the report fields. Users of the Help File are reminded that that they remain responsible for complying with all of their obligations under the market rules and associated policies, standards and procedures relating to the subject matter of this Help File, even if such obligations are not specifically referred to herein. While every effort has been made to ensure that any extracts from the market rules or other documents in this Help File are accurate and up to date, users

must be aware that the specific provisions of the market rules or particular document posted on the web site of Ontario's Independent Electricity System Operator shall govern.